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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/941,837	08/30/2001	Sang O. Park	K-0318	6861
34610	7590	10/18/2005	EXAMINER	
FLESHNER & KIM, LLP P.O. BOX 221200 CHANTILLY, VA 20153			VAN HANDEL, MICHAEL P	
			ART UNIT	PAPER NUMBER

2617

DATE MAILED: 10/18/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 09/941,837	Applicant(s) PARK, SANG O.	
	Examiner Michael Van Handel	Art Unit 2617	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-28 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-28 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|--|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date ____ | 6) <input type="checkbox"/> Other: ____ |

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims **1-6, 8-13, 15-22, 24-28** are rejected under 35 U.S.C. 102(b) as being anticipated by Kikinis.

Referring to claims **1, 5, 11, 16, 21, and 25**, Kikinis discloses an apparatus/method for displaying broadcast information of a television (set-top box 11)(Fig. 1) comprising:

- a broadcast service provider 15, 16, 17 transmitting broadcast signals of each broadcast program including region information and specific information for each region, the region information indicating a region whereby specific information exists (col. 6, l. 33-58)(Figs. 2A-2C, 3A, 3B); and
- a television receiver for receiving the broadcast signals transmitted from the broadcast service provider (set-top box 11), video processing the received broadcast signals and displaying them through a screen (col. 5, l. 49-55), and displaying specific information of a corresponding region when a user selects a certain region on the screen (col. 7, l. 57-65)(Figs. 2A-2C).

Referring to claims **11 and 16**, Kikinis discloses storing the received position information and supplemental information in a memory (cache)(col. 9, l. 29-35).

Art Unit: 2617

Referring to claim 25, Kikinis discloses an internet module connecting to the Web site based on the stored Web address and receiving contents of the Web site when the interactive image region is selected by a user (col. 5, l. 65-67)(col. 6, l. 6-12)(Fig. 1) and a microprocessor 19 generating control signals for displaying the received contents of the Web site on the display screen (col. 6, l. 1-12).

Referring to claim 2, Kikinis discloses the apparatus according to claim 1, wherein the television receiver includes:

- a TV controlling means 63 for enabling the user to control TV functions and to select screen regions (remote control)(col. 6, l. 26-30)(Fig. 1);
- a video processing unit 13, 25, 33 for video processing the broadcast signals and specific information corresponding to each region and for displaying the signals and information on the screen (col. 5, l. 34-55)(Fig. 1);
- a memory unit (cache) for storing the region information and specific information corresponding to each region (col. 9, l. 29-35); and
- a microcomputer 19 for reading, from the memory unit, the specific information corresponding to the region of the screen selected by the user through the TV controlling means with reference to the region information and for outputting the information to the video processing unit (col. 5, l. 34-67)(col. 6, l. 1-12)(Fig. 1).

Referring to claim 3, Kikinis discloses the apparatus according to claim 2, wherein the TV controlling means includes a direction key or a track ball for selecting the screen regions

Art Unit: 2617

(col. 6, l. 26-30). The USPTO considers the applicant's "or" language to be anticipated by any reference containing any of the subsequent corresponding elements.

Referring to claim 4, Kikinis discloses the apparatus according to claim 2, wherein the television receiver further includes an Internet module enabling WEB site information included in the specific information to be read and processed through the screen (col. 5, l. 65-67)(col. 6, l. 6-12)(Fig. 1).

Referring to claim 6, Kikinis discloses the method according to claim 5, wherein the specific information for each region consists of at least one of video related information of a corresponding region and Internet WEB site URL (col. 6, l. 50-58)(col. 7, l. 14-17)(Fig. 2C).

Referring to claim 8, Kikinis discloses the method according to claim 5, wherein the step of the user operating an indicating means to search a region on the screen and selecting a desired region includes the steps of:

- the user pressing a selection key on the indicating means to select the region (col. 7, l. 57-67);
- displaying indexes on the regions defined by the region information among the regions of the screen (Fig. 2C); and
- selecting among the indexes an index, which the user desires (col. 8, l. 1-22).

Referring to claim 9, Kikinis discloses the method according to claim 5, wherein the step of displaying a video image of the region selected by the user or its corresponding specific information includes the step of:

Art Unit: 2617

- displaying a video image of a region selected by the user on one side of the screen and displaying corresponding video related information on the rest of the screen (col. 8, l. 1-22)(Fig. 2C).

Referring to claim **10**, Kikinis discloses the method according to claim 5, wherein the step of displaying a video image of the region selected by the user or its corresponding specific information includes the step of:

- connecting to an Internet WEB site corresponding to the video image of the selected region and displaying a corresponding screen image (col. 8, l. 1-22)(Fig. 2C).

Referring to claim **12**, Kikinis discloses the method of claim 11, wherein the supplemental information is data related to an object included in the interactive image region (col. 6, l. 50-67)(col. 7, l. 1-18, 38-67)(col. 8, l. 1-37).

Referring to claims **13**, **19**, **22**, and **28**, Kikinis discloses the method/apparatus of claims 11, 16, 21, and 25, respectively, wherein the user selects the interactive image region by locating a moveable cursor within the interactive image region and entering a selection command via a television (TV) control unit (col. 7, l. 57-67)(Figs. 2A, 2C).

Referring to claims **15**, **20**, and **24**, Kikinis discloses the method/apparatus of claims 11, 16, and 21, respectively, further comprising:

- undisplaying the supplemental information from the display screen when a return command is received from the user; and
- redisplaying the image on the display screen (col. 8, l. 1-22).

Art Unit: 2617

Referring to claims 17 and 26, Kikinis discloses the method/apparatus of claims 16 and 25, respectively, wherein the Internet Web site includes one or more Internet Web pages related to an object included in the interactive image region (col. 8, l. 1-22)(Fig. 2C).

Referring to claims 18 and 27, Kikinis discloses the method/apparatus of claims 16 and 25, respectively, wherein the address of the Internet Web site is a uniform resource locator (URL)(col. 7, l. 14-17)(Figs. 2A, 2C).

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 7, 14, 23 is rejected under 35 U.S.C. 103(a) as being unpatentable over Kikinis in view of Alba et al.

Referring to claims 7, 14, and 23, Kikinis discloses the method according to claims 5, 13, and 22, respectively, wherein the step of the user operating an indicating means to search a region on the screen and selecting a desired region includes the steps of:

- moving a position of a cursor in accordance with the movement of the indicating means (col. 6, l. 26-30)(Fig. 1, 2A, 2C).

Kikinis does not disclose changing a shape or color of the cursor when specific information exists in the region of the screen where the cursor is positioned. Alba et al. discloses changing the configuration of a pointer/cursor 110 to indicate alternate or additional information in an electronic television guide to a user (p. 6, paragraphs 93, 94). It would have been obvious to one

Art Unit: 2617

of ordinary skill in the art at the time that the invention was made to modify Kikinis to include a pointer/cursor that changes configuration to indicate alternate or additional information such as that taught by Alba et al. in order to facilitate easy access to a wide range of functionality through the combination of a limited number of user interactions (p. 1, paragraph 7).

Conclusion


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael Van Handel whose telephone number is 571.272.5968. The examiner can normally be reached on Monday-Friday, 8:00am-5:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chris Kelley can be reached on 571.272.7331. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Michael Van Handel
Examiner
Art Unit 2617

MVH


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